

AMENDMENT TO THE CLAIMS

Claims 1-34 (canceled).

1 ~~35~~. (previously amended) A system for recording information regarding telephone calls with three or more participants and comprising one or more telephone call segments, comprising:

(a) a first memory having one or more locations storing audio data of telephone call segments;

(b) a second memory having one or more locations storing data regarding telephony events associated with telephone call segments; and

(c) a processor programmed to:
call, and

(i) identify telephone call segments that relate to the same telephone
(ii) construct data representations of lifetimes of telephone calls that have three or more participants, wherein said data representations are constructed using data regarding telephony events associated with telephone call segments.

2 ~~36~~. (previously amended) The system of claim ~~35~~¹ wherein the data representation of each telephone call comprises

(i) a list of participants in the telephone call;

(ii) a list of telephony events regarding the call;

(iii) a list containing the time each telephony event occurred; and

(iv) the start and end time of the call.

3 ~~37~~. (previously amended) The system of claim ~~35~~¹ wherein the data representation of each telephone call comprises, for each segment of the call, the location of the stored audio data of that segment.

⁴38. (previously amended) The system of claim ¹35 wherein the first memory and the second memory are the same.

⁵39. (previously amended) The system of claim ¹35 wherein the processor is comprised of a plurality of physically separated components.

⁶40. (previously amended) The system of claim ³37 wherein the location of the stored audio data of each segment comprises a location of a .WAV file containing the audio data.

⁷41. (previously amended) The system of claim ⁶40 wherein the data representation of a telephone call further comprises an offset within the .WAV file to the start of the stored audio data.

⁸42. (previously amended) The system of claim ¹35 wherein the data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

⁹43. (previously amended) The system of claim ¹35 further comprising display software that uses said data representation to display a graphical representation of said telephone call.

¹⁰44. (previously amended) The system of claim ²36 further comprising display software that uses a data representation of a telephone call to display a graphical representation of said telephone call.

¹¹45. (previously amended) The system of claim ¹⁰44 wherein the graphical representation comprises a representation of each segment of the call.

¹²46. (previously amended) The system of claim ¹⁰44 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

¹³47. (previously amended) The system of claim ⁹43 wherein the display software further displays a table comprising data from the data representation.

¹⁴~~48~~. (previously amended) A method for recording information regarding telephone calls with three or more participants and comprising one or more telephone call segments, comprising:

- 2200
- (a) receiving audio data regarding one or more telephone call segments;
 - (b) receiving data regarding telephony events associated with said telephone call segments;
 - (c) storing the received audio data regarding telephone call segments;
 - (d) storing the received data regarding telephone events associated with said telephone call segments;
 - (e) identifying telephone call segments that relate to the same telephone call; and
 - (f) constructing data representations of lifetimes of telephone calls, wherein said data representations are constructed using data regarding telephony events associated with telephone call segments.

C ¹⁵~~49~~. (previously amended) The method of claim ¹⁴~~48~~ wherein each data representation of a telephone call comprises:

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

¹⁶~~50~~. (previously amended) The method of claim ¹⁴~~48~~ wherein each data representation of a telephone call comprises, for each segment of the call, a location of stored audio data of that segment.

¹⁷~~51~~. (previously amended) The method of claim ¹⁴~~48~~ wherein the received audio data and the data regarding telephony events are stored in the same memory.

¹⁸~~52~~. (previously amended) The method of claim ¹⁴~~48~~ wherein each data representation is constructed by a plurality of physically separated processors.

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¹⁹ 33. (previously amended) The method of claim ¹⁶ 30 wherein the location of the stored audio data of each segment comprises a location of a .WAV file containing the audio data.

²⁰ 34. (previously amended) The method of claim ¹⁹ 33 wherein a data representation further comprises an offset within the .WAV file to the start of the stored audio data.

²¹ 35. (previously amended) The method of claim ¹⁴ 48 wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

²² 36. (previously amended) The method of claim ¹⁴ 48 further comprising the step of using a data representation of a telephone call to display a graphical representation of the telephone call.

²³ 37. (currently amended) The method of claim ¹⁵ 49 further comprising the step of using said [a] data representation of a telephone call to display a graphical representation of the telephone call.

²⁴ 38. (previously amended) The method of claim ²³ 37 wherein the graphical representation comprises a representation of each segment of the call.

²⁵ 39. (previously amended) The method of claim ²³ 37 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

²⁶ 40. (previously amended) The method of claim ²² 36 further comprising the step of displaying a table comprising data from the data representation.

²⁷ 41. (previously amended) A system for recording information regarding telephone calls comprising one or more telephone call segments, wherein said calls comprise calls wherein at least one participant participates in a plurality of segments, comprising:

(a) a first memory having one or more locations storing audio data regarding telephone call segments;

(b) a second memory having one or more locations storing data regarding telephony events associated with telephone call segments; and

(c) a processor programmed to:

- (i) identify telephone call segments that relate to the same telephone call;
- (ii) identify multiple call segments that have the same participant; and
- (iii) construct data representations of lifetimes of telephone calls using data regarding telephony events associated with telephone call segments.

38 ~~62~~. (previously amended) The system of claim ~~61~~²⁷ wherein a data representation of a telephone call comprises:

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

39 ~~63~~. (previously amended) The system of claim ~~61~~²⁷ wherein each data representation of a telephone call comprises, for each segment of the call, a location of the stored audio data of that segment.

40 ~~64~~. (previously amended) The system of claim ~~61~~²⁷ wherein the first memory and the second memory are the same.

41 ~~65~~. (previously amended) The system of claim ~~61~~²⁷ wherein the processor is comprised of a plurality of physically separated components.

42 ~~66~~. (previously amended) The system of claim ~~63~~²⁹ wherein the location of the stored audio data of each segment comprises a location of a .WAV file containing the audio data.

43 ~~67~~. (previously amended) The system of claim ~~66~~³² wherein a data representation of a telephone call further comprises an offset within the .WAV file to the start of the stored audio data.

²⁴~~68~~. (previously amended) The system of claim ²⁷~~61~~ wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

³⁵~~69~~. (previously amended) The system of claim ²⁷~~61~~ further comprising display software that uses a data representation of a telephone call to display a graphical representation of said telephone call.

³⁶~~70~~. (previously amended) The system of claim ²⁸~~62~~ further comprising display software that uses a data representation of a telephone call to display a graphical representation of said telephone call.

³⁷~~71~~. (previously amended) The system of claim ³⁶~~70~~ wherein the graphical representation comprises a representation of each segment of the call.

³⁸~~72~~. (previously amended) The system of claim ³⁶~~70~~ wherein the graphical representation comprises a representation of the length of time of each segment of the call.

³⁹~~73~~. (previously amended) The system of claim ³⁵~~69~~ wherein the display software further displays a table comprising data from the data representation.

⁴⁰~~74~~. (currently amended) A method for recording information regarding telephone calls comprising one or more telephone call segments, wherein said calls comprise calls wherein at least one participant participates in a plurality of segments[,] comprising:

- (a) receiving audio data regarding one or more telephone call segments and data regarding telephone events associated with said telephone call segments;
- (b) storing the received audio data regarding telephone call segments;
- (c) storing the received data regarding telephony events associated with said telephone call segments;
- (d) identifying telephone call segments that relate to the same telephone call;
- (e) identifying multiple call segments that have the same participant; and

(f) constructing data representations of lifetimes of telephone calls, wherein each data representation of a telephone call is constructed using data regarding telephony events associated with telephone call segments of the telephone call.

⁴¹75. (previously amended) The method of claim ⁴⁰74 wherein a data representation of a telephone call comprises:

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

⁴²76. (previously amended) The method of claim ⁴⁰74 wherein a data representation of a telephone call comprises, for each segment of the call, a location of the stored audio data of that segment.

⁴³77. (previously amended) The method of claim ⁴⁰74 wherein the received audio data and the data regarding telephony events is stored in the same memory.

⁴⁴78. (previously amended) The method of claim ⁴⁰74 wherein a data representation of a telephone call is constructed by a plurality of physically separated processors.

⁴⁵79. (previously amended) The method of claim ⁴²76 wherein a location of stored audio data of each segment comprises the location of a .WAV file containing the audio data.

⁴⁶80. (previously amended) The method of claim ⁴⁵79 wherein a data representation of a telephone call further comprises an offset within the .WAV file to the start of the stored audio data.

⁴⁷81. (previously amended) The method of claim ⁴⁰74 wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

⁴⁸ 82. (previously amended) The method of claim ⁴⁰ 74 further comprising the step of using a data representation of a telephone call to display a graphical representation of said telephone call.

⁴⁹ 83. (previously amended) The method of claim ⁴¹ 75 further comprising the step of using a data representation of a telephone call to display a graphical representation of said telephone call.

⁵⁰ 84. (previously amended) The method of claim ⁴⁹ 83 wherein the graphical representation comprises a representation of each segment of the call.

⁵¹ 85. (previously amended) The method of claim ⁴⁹ 83 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

⁵² 86. (previously amended) The method of claim ⁴⁸ 82 further comprising the step of displaying a table comprising data from the data representation.